Trachealis noly

Cypanche Tracheals

by Peete Prague March 14 1817

I have adopted the term beginning tracheater from among the many synonimes of the denose became it is in general we and appear to me equally proper with any that has been und

No accurate account of it was published until about the middle of the ughthleenthe century Il would seem improbable that a direare so strongly marked as bynanche Fra chealis and whose pathognomic symptoms are so particularly striking should have passed unnoticed by the ancients if it had really existed; and yet when we consider the causes which produce the disease we ought not perhaps to doubt that it had existed in some of those coun tries in which it is now common many centu rus before it was at first noticed in thewe longs of Thyouans_

The first regular account of croup was published about the year 1749, by Martin This is no state an physician, the laborious works of Michaelis appeared about thirty fire year later. However that term it has been regularly treated by by physician of consulvable minerice.

It appears to be the received opinions that there are two distinct species of the direction, and is supposed to dipend stilly upon a sparmedic affection of the munds of the glottis. The Then hymanike brached to human by D. Rush, and is alter die with inflammations of the tracker and is alter die with inflammations of the tracker and coa gulating lymph is sentences thrown out which afreens the form of a membrane living that tube.

If Iwere quided by my own observation, I should have no heretation in saying that it was always

in the commencement purely sparmodice of should be led to this conclusion because all the cares which Shave seen in the Southern parts of Virginia, the disease came on suddenly after the child had been in bed a short time, no inflammation could be perceived upon inspection in the faceces, there was no someness of the throat or difficulty in diglutition and the disease was generally removed in eight or nine hour and in some instances left than one hour, and without the expudies of any vivieur or ments ander substance -The direase does not alway, make its attachether the patient is in bed, for I once know a boy about Starten years of age attacked with it while follow ing his daily employment, he went out to work per feetty well in the morning about I Oclock he was suddenly taken with difficulty of breathing with the puedear sonown inspiration that allenathe disease

which was so sudden and redent in it attack that he felt on the ground and was taken up and to carried by an imite and the warm to the warm to the warm table.

When the duran warnet removed by the unterpar mode remodes, it without terminative factally or was succeeded by the inflammatory or humicking. I shall consider the two diseases seperately and first be structurate representations.

De bullen classes in class Ryrein order Philogomain and define it in the following manner I effect respiration insperation lower voice board tough sharp almost no visible swelling in the fauce, su allowing not very difficult fever by methor

The peculiar sound of the voice, in coughing and in respectation, the great difficulty in breathing while the power of digliture resmain union

paired and the absence of all appearance of in flammation render the Diagnois perfectly easy-The sound of the voice emitted by persons labour ing under croup, has been compared to that of several animals as the barking of a young dog. By other to the sound made by blowing this" a brazen trumpet but I think it might & with more propriety be compared to that harsh and disagreable sound, which is made by certain for of the gallinacious tribe when endeavouring to dislodge from the throat a grain of corn or any other obstructing matter of considerable magnitudo

I appear that no age is entirely eccurped from the disease, althou it attach children most frequently than adult, - Children an most liable to be affected by it after they, are wanted and before the time of puberty.

get there have instance evered during the point of lactation, and semilime the left fre quently in adult. It is remarked that the water children are weared the more liable they are to be affected by croup.

It has been supposed by some that the crown occurs as often in the adult as in children, but that adults have the power of expedere ting the lymphatic exudation before it becomes a solid membrane - But Dr. Cheyno obenie that if this was the case we should at least hear "the croupy cough and peculiar voice and breathing, for these precede the formation of "the membrane - bheldren of all ages up to the time of puterty have died of crowp and yet a boy of ten years old has asper feetly as he can ever have the power of ex pecteration - The Doctor rather supposes

its les frequent occurrence in the adult to de " pend" on that change which happens in the " constitution at puberty, and in a more pecu lear manner on the change which the upper "part of the wind pipe undergoes. The alle ration of the roice from soft & ferninine to firm and manly evinces that a material alteration takes place" He therefore suppose" that the greater degree of tone with which the trached is endowed enables it to resist those ex externents which would have operated on the " same organ in a lax and left perfect state -No particular climate, season or state of the almost phere is necessary to its formation, althe it occurs more frequently in the Sempe rate climate of Virginia than in their thern states, in the changeable weather of spring and autumn rather than in the

Summer and winter menthy in a columned at most place rather than in a dry worm on - Some the observations of medical author it appear that a low damp atmost place is peeu lasty furcionable to the production of the disease but it not unfrequently occurs in high healthy relucations -

His remarked by De Cheyne Must dap from most frequently in love rituation copiese to air paping, or is large beden of water and that it is more represently the duran of thaped town. Meare informa by The boundered that it formerly prevaited much in Sect land in an extensive plans bound by the river Tay, called the cover of Journe, but he field " Has planities vers more descenta" "field, it rance occurretion morbers".

There is no place in the United State held

to it is to the lower or we will be seen on head

adapted to the production of croup than Norfolk and Portsmouth, Va and Imay add in which it is more privalent - Iwas informed by a physician in Portsmouth that not less than nine cases of crows occurred in that small town in one week during a very wet spell-all of which he says wor of the sparmodic kind he says they were cured by an unparmodic remedies, such as warm bath, the inhalation of the steam of hot vinegar &t. He says most of his. patients were children of a weak and feminine habit of body which concur with my own observations, I have seen it at tack the healthy and robust children but much les frequently than the weak and fernine the disease generally came on in the night after being exposed to cold and without in that could lower in our week sturing in

The chief exciting cause of broup is cold up place to the body in some way. It is not in probable says D' Wilson, that certain states of the alimentary canal may apid in pro ducing crown Do Underwood in his trea tire on the direases of children observes that the change from milk to find of harder digestion is probably sometimes cause of croup & Do Millar ranks a landy of the solids, indegestible ingredients in the ford and a morbid weakness of the digestive organs, on exciting courses of crows-I shall only montion some of the most striking symptoms In the course of the night the patient is awakered with a rough and strictulous cough so peculiar to the direase, he appears in immediate danger of sufficultion and each inspiration is attended with a shrile distref

sing sound . The face is most commonly flust ed and sometimes appear line the pulse is quick and frequent, and great thirst allend ing - With a continuance and increase of these symptoms the patient is often carried off in a few hour At other times the disease is oftenprotion led to the there or fourth day when this is the case it generally rum into the inflammatory Kind It has been the opinion of some that these two diseases were one and the same dis ease - bullen says " though this disease mani fastly counts in and inflammatery affect tion it does not end either in suppuration "or gangrene. The peculiar and troublesome "circumstance of the disease seem to consist in "a sparm of the muscles of the glotter which unducer suffocation and prevents the com mon consequences of inflammation

But directions have shown that patients heavedied of this descare where no vertige of inflammation could be perceived, and therefore what else can the desease depend than upon a sparmodicion struction of the muscles of the glother -From the species generally terminating in the inflammatory Kind, and there symptoms accompanying it, some have suppored that. these were the foremenner of the inflam matory species, but as instances have occurred in which the patients has died without any inflammatory symptoms, and death ta King place to suddenly, and patients being cured merely by inhaling the steams of hot ringar, levou no doubt in my mind that there are two distinct species of the direase From the circumstances mentioned then remains no doubt but that this species of the direase is

this speems generally berminders with

purely sparmodic and of course our indicate on, of cure would be to relieve sparm.

A Bloddling appear to be a popular remedy in spannedic affection I should have no his tation to blad very copiously, even at deliquion anim-

Emelies have been found extremely service the in maurating they may and becally on the grotte a counting they may and becally on the glottes but as our great object in this case is to overcome the sparm I should great them in small done so that they mught act as relaxanti-

The warm bath was always much retail on and was always alteretwo with the most be refused effects. In on on which I witnessed the spoon was entirely remove in fifteen minutes of ter it was write.

- 4 Inhaling, the rapour of varm water or time gar from the spout of a teapet has been used with the extmost benefit It is probable many cases might beginned by this remady alone
- In aqueous solution of apafaction laken by the mouth or injected in the return has been alten due with the ulmost advantage -
- the Blisten might be used especially if the dis
- Wil the dissand preceded from any discounty the alimentary canal a purgative thewwarted be of the aliment of any dissand is difficult that of croup more so. The sparmeter affection at atom time so wished as to thereties immediate sufficient as to thereties immediate sufficient may sometime be relieved in a few minutes. We should always doubt the in entering when winder the most favour able we until

cer and never cear to hope and use our ist most endeavour as long as a spark of life remain-

Cynanche, Trachealis Humida

The other species to which Do Aush gave the name, by making it advances gradually and commening with province and catarchal, symptems some days previous to any local affection, by its usually coming on in the day time, by being at tended with a mutual declary from the tracked by not spilling to antispained is remedie, and larly, by its continuance for several days without intermition or a latenest of the symptems.

When the disease is completely formed the two

species very near resemble each other, there are however some marks of distinction between them In the spasmodic kind, there are evident exacerba tions and remissions, but there are none in thehu mid. In the humid, the parts appear somewhat tunia and a while mucus is seen upon inspection in the fauces - In some instances, a white membrane of con siderable tenacity is found living the windpipe -It arises says bheyne, a little, under the largne, and is sometimes prolonged into the division of the Fra chea, and generally a quantity of white fluid like matter with which the lungs are filled is seen quirgling up, none of these circumstances occur in the spasmodic species of the disease

Il appears that this spew belongs more particularly, to the Nothern elemants It agrees best with the discriptions given of it by most European writers, and I have been informed by a physician of this

edy that he has rarely sun any but the true enflammatory ofpeces - When as in the Southern parts of ungener, the sparmode hind occur more frequently.

It is also said to attack the most robust and heal. thy looking children whetse the sparmodic thina affects more frequently the weak and there who have been emaciated by other diseases - De Cheyne says that this disease is more especially the descure of scaport towns, but it is found to occur almost as frequent by in inland situations, as in sea port lowns . It very often prevails as an epidemie affecting not only children but adults - D' bullen says that he has never seen the disease attacka patient above twelve years old but in this country there unnumerable in stances of its having attacked adults and put an and to their existence

If blood be drawn liberally from the commence

ment the relief is often immediate. Very often after it has arrived at it, hight the signitispean to be a nitrigrefien of the disease, a perspiration breaks out the fever and cough about and the disease gradually disappears. When it has continued for several days the child is semilimen retieved by the expedications of a white vicid seventions. Sometimes it afarms achieve certaining for many, days the patient new and then throwing up pertiens of membrane.

Various have been the opinion activament with no put to the formation of the membrane. The first probable opinion suggestive on this subject was that proposed by Do Home - the believes, the first said of the chause to be in the minger glands of the branches; which he supposed are excelled to pour out an unusual, quantity of new Men there happens he observes a very great

secretion of this coagulable fluid from the glands of the tracked in children they, are, either not sufferently attentive or too young to spit it up . The thinner parts are carried of during expectoration, while the remainder is thick ened and comprehed by the obstruction which the narrow nep of the glottis exposes to the exit of the air from a larger canal. Every wound stance encourages its sweetien into a solid firm mum brane. This he regards as the proximate cause of the desease, but in my opinion it is only the if feet of violent inflammation; that is coagulating lymph is thrown out which becoming inspirated assumes the form of a membrane - If the membrane was formed by a suretion of the mucus glands it ought to be found in the mildest forms of the disease before any swelling took place or before the inflam mation had transended the secretory function of

these glands_

It is the openion of some that the sufficiation and poculiar brusthing in this cterian depend upon a membrane in the traches obstructing the popage of cier but this openion I believe is wholly unfounded as these symptoms most always acres and the membrane is rarely to be met with. Then they must depend when a sparmedic construction of the muscles of the ytellis.

It is afected that this species is very often partial by sparmed of course our indication, would turned only to remove the inflammation but also to relieve the sparmedic affection.

Describeding should be employed according to the we given of the can, it has been recommended in some enstances to blead," at delegacion animi. Then the schicken of the fatient is such as to perhibit the face there is no of this armody from the arm, it would be for

pur to apply ught or ten litches in the vicinity of the glother In some case of very fat children it is impossible to bleet from the arm, in these case it would be proper to open the jugular view.

Emelies given in such a manner or to preduce to miling are efectially useful. Of them the Farter & metic is most employed and I may say its vir two exect all other in this dinare-

If the warm bath and the inhalation of the strams of hot ringar and water ought always to be on played, this alone has been known to stop the progress of croup.

Rungations as a part of the general depleting plan should be used according to consumstances -

The application of buston and sinaporms to the nick has been necommended, and me doubt from their good effects in similar dinanes but what they might be and with succept in this.

balomel has been recommended by some writers in Croup very strenuously they say it induces a new ac tion in the tracker this it may do but Ishouldne ver employ it before I had used emetics and bloodlet ting, if then should fail Iwould then resort to balomel Do Hamilton was a strong advocate for mercury in croup. He tells us in every instance that he administered it previous to the occurrence of levedness of the face and other mortal symptoms he has completely succeeded in curing the disease-His mode of employing it is after having previous by put the child ento a tub of water heated to 96° or wrapt up in a blanket wrang out of hot water to give it a dos from one to feve grains according to the age of the patient every hour until the breathing is evidently releived, and is to be gra dually discontinued:

The Poliga Tenega is to be given as an expectment,

As a last resert the operation of Frackotomy is to be performed. Defiguett suggested the idea of introducing an elastic catheter there thomose into the tracker on this dinare of the popage is sufficiently large to admit of its introduction it ought always to present the operation of Fracket one

